BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements drain and Providing Covering slabs at Singapura Main Road Near Singapura Circle in ward No 11 (Kuvempunagara) in Vidyaranyapura Sub Division

011-17-000007		P-3165				Est Cost Rs.		3000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. **Earthwork excavation by manual means** in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **(Page No141., I.No.19.1 of KPWD S.R 2015-16).**	Cum							
	RCC Drain L/S Singapura main Road from Singapura Circle		1	275.00	1.00	1.00	275.00		
	Cds		4	6.90	1.70	1.20	56.30		
							331.30	192.79	**63873.00**
	Basic Rate	77.00							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.2 / km= 33.51	33.51							
		178.51							
	Area Weightage @8%	14.28							
	Total	**192.79**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / Item No. 4.3 / PWD SR 2015-16**								
	RCC Drain L/S Singapura main Road from Singapura Circle		1	275.00	1.00	0.15	41.25		
	CDs		4	6.90	1.70	0.15	7.04		
							48.29	5070.60	**244849.00**
	Basic Rate	4695.00							
	Area Weightage @8%	375.60							
	Total	**5070.60**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	Providing and laying cement concrete using 20mm and down size granite jelly of **ready mixed concrete (RMC)for R.C.C works** laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2015-16**	Cum							
a	For RCC Drain bottom Concrete		1	275.00	1.00	0.15	41.25		
	CDs Bottom		4	6.90	1.50	0.15	6.21		
	Drain side walls		2	275.00	0.15	0.75	61.88		
	CDs side walls		8	6.90	0.30	0.90	14.90		
							124.24	6332.04	**786686.00**
	Basic Rate	5863.00							
	Area Weightage @ 8%	469.04							
	Total	**6332.04**							
4	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting,** propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15 / Item No. 4.31 / PWD SR 2015-16	**sqm**							
	RCC Drain Side Wall		4	275.00		0.75	825.00		
	CDs		4x4	6.90		0.90	99.36		
							924.36	306.72	**283520.00**
	Basic Rate	284.00							
	Area Weightage @8%	22.72							
	Total	**306.72**							
5	KSRB 4.9.2 : Providing **T .M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe500 **(Page No 17., I.No.4.46.2 of KPWD S.R 2015-16).**	**Tonne**							
	taking 80kg/cum			124.24	0.08 T/cum		**9.94**	59327.91	**589667.00**
	Basic Rate	54933.25							
	Area Weightage @8%	4394.66							
	Total	**59327.91**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing,transportation,loading unloading, etc.,complete as per the direction of engineer in charge- Data rate	Sqm							
	culvert deck slab		4	6.90	1.50		41.40		
							41.40	5125.00	**212175.00**
7	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	RCC Drain Covering Slab		1	275.00	1.20		330.00		
							330.00	1760.00	**580800.00**
8	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. **Page No. 25 / Item No. 5.30 / PWD SR 2015-16**	Nos							
	Kerb Stone		1	275.00			611		
				0.45					
							611	320.76	**196020.00**
	Basic Rate	297.00							
	Area Weightage @8%	23.76							
	Total	**320.76**							
9	KSRB 15.19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughtly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 121 / Item No. 15.80 / PWD SR 2015-16**	Sqm							
	Kerb Stone Painting		1	275.00		0.45	123.75		
							123.75	27.00	**3341.00**
	Basic Rate	25.00							
	Area Weightage @8%	2.00							
	Total	**27.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	KSRB 15.19.2 : Providing and applying spray painting in two coats (Excluding priming coat) over concrete / masonry / asbestos cement sheet / / plastered surfaces with lat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 121 / Item No. 15.81 / PWD SR 2015-16**	Sqm							
			Qty Vide Item No. 9				123.75		
							123.75	68.04	**8420.00**
	Basic Rate	63.00							
	Area Weightage @8%	5.04							
	Total	**68.04**							
	Sub Total								**2969351.00**
	Third Party Inspection Charges @ 1%								**29694.00**
	Add for unforseen and rounding off	L/S							**955.00**
								Total	**3000000.00**
Rupees Thirty Lakh(s) Only									

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

24/12

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

24/12

Administrative Approval
Accorded For 30.00 lakh Rs.
Head of A/C P-3165
CER NO : 77 Dt: 31/12/16

TA CE (YNK)

Technical Sanction
Accorded For 30.00 lakh Rs.
Head of A/C P-3165
CER NO : 87 Dt: 31/12/16

TA CE (YNK)

Name of work : .....

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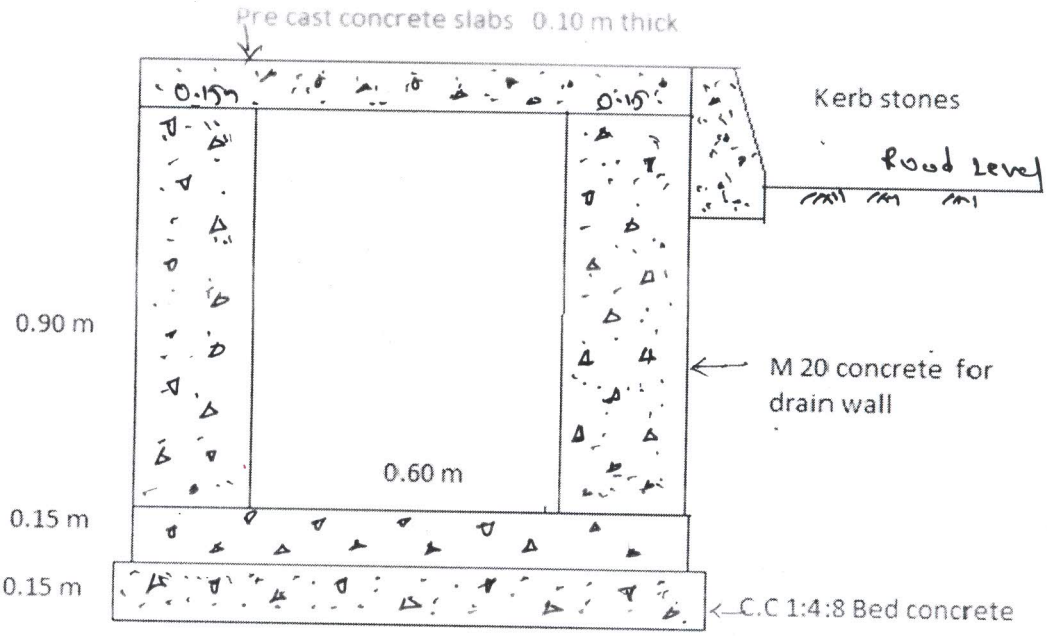


Cross section of RCC drain

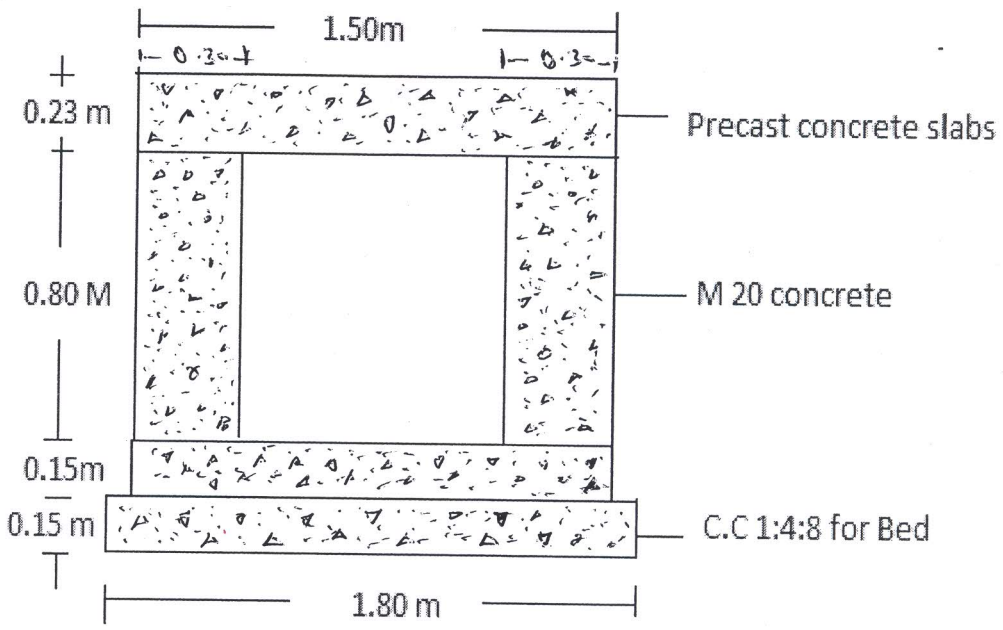
Assistant Engineer
Ward no 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Name of work : .....

.....in Ward No 11 Kuvempunagara,

Vidyaranyapura sub Division

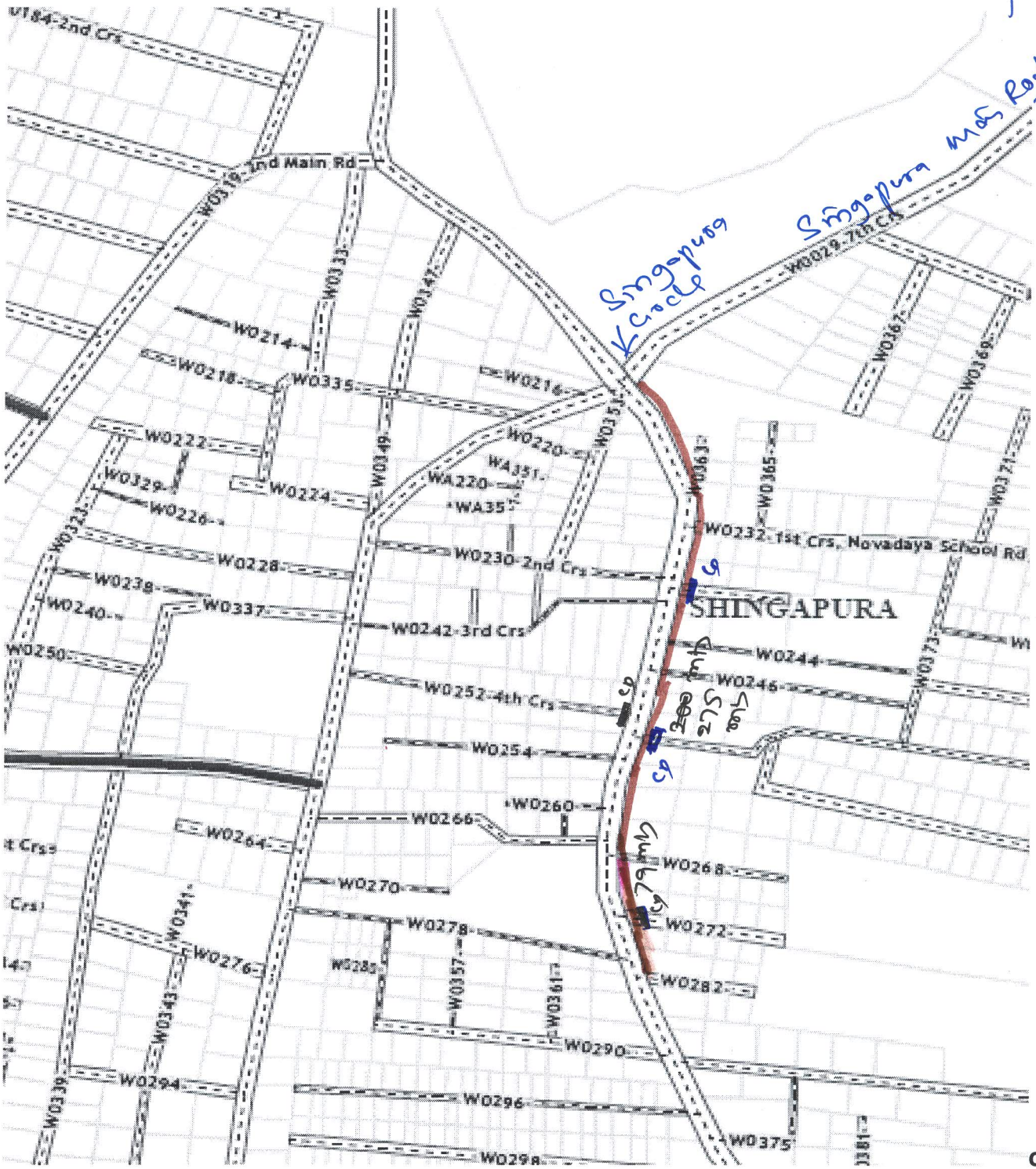


Cross section of Culvert

Assistant Engineer
Ward No 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Name of work : Improvements drain and Providing Covering slabs at Singapura Main Road Near Singapura Circle in ward No 11(Kuvempunagara) in Vidyaranyapura Sub Division



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Vidyaranyapura sub Division, BBMP